## SEQUENCE LISTING

<110> Ono Pharmaceutical Co., Ltd. <120> Novel Polypeptides, cDNA encoding the same, and use of them <130> Q61459 <140> 09/700,397 <141> 2000-11-14 <150> JP 10-131815 <151> 1998-05-14 <150> PCT/JP99/02485 <151> 1999-05-13 <160> 19 <170> PatentIn version 3.0 <210> <211> 1032 <212> DNA Homo sapiens <213> <400> atgaaaacca tccagccaaa aatgcacaat tctatctctt gggcaatctt cacggggctg 60 gctgctctgt gtctcttcca aggagtgccc gtgcgcagcg gagatgccac cttccccaaa 120 gctatggaca acgtgacggt ccggcagggg gagagcgcca ccctcaggtg cactattgac 180 aaccgggtca cccgggtggc ctggctaaac cgcagcacca tcctctatgc tgggaatgac 240 aagtggtgcc tggatcctcg cgtggtcctt ctgagcaaca cccaaacgca gtacagcatc 300 gagatccaga acgtggatgt gtatgacgag ggcccttaca cctgctcggt gcagacagac 360 aaccacccaa agacctctag ggtccacctc attgtgcaag tatctcccaa aattgtagag 420 atttetteag atateteeat taatgaaggg aacaatatta geeteacetg catageaact 480 ggtagaccag agcctacggt tacttggaga cacatctctc ccaaagcggt tggctttgtg 540 agtgaagacg aatacttgga aattcagggc atcacccggg agcagtcagg ggactacgag 600 tgcagtgcct ccaatgacgt ggccgcgccc gtggtacgga gagtaaaggt caccgtgaac 660 tatccaccat acatttcaga agccaagggt acaggtgtcc ccgtgggaca aaaggggaca 720 ctgcagtgtg aagcctcagc agtcccctca gcagaattcc agtggtacaa ggatgacaaa 780 agactgattg aaggaaagaa aggggtgaaa gtggaaaaca gacctttcct ctcaaaactc

840

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- Arg Val Ala Trp Leu Asn Arg Ser Thr Ile Leu Tyr Ala Gly Asn Asp
  40 45 50
- Lys Trp Cys Leu Asp Pro Arg Val Val Leu Leu Ser Asn Thr Gln Thr 55 60 65
- Gln Tyr Ser Ile Glu Ile Gln Asn Val Asp Val Tyr Asp Glu Gly Pro 70 75 80
- Tyr Thr Cys Ser Val Gln Thr Asp Asn His Pro Lys Thr Ser Arg Val 85 90 95 100
- His Leu Ile Val Gln Val Ser Pro Lys Ile Val Glu Ile Ser Ser Asp 105 110 115
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- Gly Arg Pro Glu Pro Thr Val Thr Trp Arg His Ile Ser Pro Lys Ala 135 140 145
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Asp Tyr Gly Asn Tyr Thr Cys Val Ala Ser Asn Lys Leu Gly His Thr 265 270 275

Asn Ala Ser Ile Met Leu Phe Gly Pro Gly Ala Val Ser Glu Val Ser 280 285 290

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Thr Gln Tyr Ser Ile Glu Ile Gln Asn Val Asp Val Tyr Asp Glu Gly 65 70 75 80

Pro Tyr Thr Cys Ser Val Gln Thr Asp Asn His Pro Lys Thr Ser Arg 85 90 95

Val His Leu Ile Val Gln Val Ser Pro Lys Ile Val Glu Ile Ser Ser 100 105 110

Asp Ile Ser Ile Asn Glu Gly Asn Asn Ile Ser Leu Thr Cys Ile Ala 115 120 125

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Thr Arg Glu Gln Ser Gly Asp Tyr Glu Cys Ser Ala Ser Asn Asp Val 165 170 175
Ala Ala Pro Val Val Arg Arg Val Lys Val Thr Val Asn Tyr Pro Pro 180 185 190
Tyr Ile Ser Glu Ala Lys Gly Thr Gly Val Pro Val Gly Gln Lys Gly 195 200 205
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Glu Asn Arg Pro Phe Leu Ser Lys Leu Ile Phe Phe Asn Val Ser Glu 245 250 255
His Asp Tyr Gly Asn Tyr Thr Cys Val Ala Ser Asn Lys Leu Gly His 260 265 270
Thr Asn Ala Ser Ile Met Leu Phe Gly Pro Gly Ala Val Ser Glu Val 275 280 285
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Asn Ser Glu Arg Tyr Val His Thr Phe Lys Asp Leu Ser Asn Phe Ser 65 70 75 80

Gly Ala Ile Asn Val Thr Tyr Arg Tyr Leu Ala Ala Thr Pro Leu Gln 85 90 95

Arg Lys Arg Tyr Leu Thr Ile Gly Leu Ser Ser Val Lys Arg Lys Lys 100 105 110

Gly Asn Tyr Leu Leu Glu Thr Ile Lys Ser Ile Phe Glu Gln Ser Ser

115 120 125

Tyr Glu Glu Leu Lys Glu Ile Ser Val Val Ile His Leu Ala Asp Phe Asn Ser Ser Trp Arg Asp Ala Met Val Gln Asp Ile Thr Gln Lys Phe Ala His His Ile Ile Ala Gly Arg Leu Met Val Ile His Ala Pro Glu 170 Glu Tyr Tyr Pro Ile Leu Asp Gly Leu Lys Arg Asn Tyr Asn Asp Pro 180 185 Glu Asp Arg Val Lys Phe Arg Ser Lys Gln Asn Val Asp Tyr Thr Phe 200 Leu Leu Asn Phe Cys Ala Asn Thr Ser Asp Tyr Tyr Val Met Leu Glu 215 Asp Asp Val Arg Cys Ser Lys Asn Phe Leu Thr Ala Ile Lys Lys Val 230 235 Ile Ala Ser Leu Glu Gly Thr Tyr Trp Val Thr Leu Glu Phe Ser Lys 245 250 Leu Gly Tyr Ile Gly Lys Leu Tyr His Ser His Asp Leu Pro Arg Leu 260 265 Ala His Phe Leu Leu Met Phe Tyr Gln Glu Met Pro Cys Asp Trp Leu 275 280 285

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atcageceet t	catgaataa g	ttttttcca go	cagctttc ca	aaatcgaca	gtaccagctg 420

Ile Pro Asp Asn Pro Pro Ala Ser Leu Tyr Thr Asn Met Asn Val Phe

occording aggreeous gaudaneaus sangagarea ceaaceacsa accommen	
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ccc acc aac age act acg cgg ccg cct tcc acg ccc gag ggc atc gcgPro Thr Asn Ser Thr Thr Arg Pro Pro Ser Thr Pro Glu Gly Ile Ala2025	215
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						ttg Leu 200										•	743
						ttt Phe											791
						gcc Ala											839
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Gly Pro Thr Asn Ser Thr Thr Arg Pro Pro Ser Thr Pro Glu Gly Ile 20 25 30

Ala Leu Ala Tyr Gly Ser Leu Leu Leu Met Ala Leu Leu Pro Ile Phe 35 40 45

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- Asp Met Pro Glu Thr Ile Thr Ser Arg Asp Ala Ala Arg Phe Pro Ile 65 70 . 75 80
- Ile Ala Ser Cys Thr Leu Leu Gly Leu Tyr Leu Phe Phe Lys Ile Phe 85 90 95
- Ser Gln Glu Tyr Ile Asn Leu Leu Leu Ser Met Tyr Phe Phe Val Leu 100 105 110
- Gly Ile Leu Ala Leu Ser His Thr Ile Ser Pro Phe Met Asn Lys Phe 115 120 125
- Phe Pro Ala Ser Phe Pro Asn Arg Gln Tyr Gln Leu Leu Phe Thr Gln 130 135 140
- Gly Ser Gly Glu Asn Lys Glu Glu Ile Ile Asn Tyr Glu Phe Asp Thr 145 150 155 160
- Lys Asp Leu Val Cys Leu Gly Leu Ser Ser Ile Val Gly Val Trp Tyr 165 170 175
- Leu Leu Arg Lys Val Phe Gly Thr Asn Val Met Val Thr Val Ala Lys
- Ser Phe Glu Ala Pro Ile Lys Leu Val Phe Pro Gln Asp Leu Leu Glu 195 200 205
- Lys Gly Leu Glu Ala Asn Asn Phe Ala Met Leu Gly Leu Gly Asp Val 210 215 220
- Val Ile Pro Gly Ile Phe Ile Ala Leu Leu Leu Arg Phe Asp Ile Ser 225 230 235 240
- Leu Lys Lys Asn Thr His Thr Tyr Phe Tyr Thr Ser Phe Ala Ala Tyr 245 250 255
- Ile Phe Gly Leu Gly Leu Thr Ile Phe Ile Met His Ile Phe Lys His 260 265 270

Ala Gln Pro Ala Leu Leu Tyr Leu Val Pro Ala Cys Ile Gly Phe Pro 275 280 285

Val Leu Val Ala Leu Ala Lys Gly Glu Val Thr Glu Met Phe Ser Tyr 290 295 300

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Asp Val Leu Val Pro Ser Val Ser Leu Gln Ala Phe Lys Ser Phe Leu 50 55 60

Arg Ser Gln Gly Leu Glu Tyr Ala Val Thr Ile Glu Asp Leu Gln Ala 65 70 75 80

Leu Leu Asp Asn Glu Asp Asp Glu Met Gln His Asn Glu Gly Gln Glu 85 90 95

Arg Ser Ser Asn Asn Phe Asn Tyr Gly Ala Tyr His Ser Leu Glu Ala 100 105 110

Ile Tyr His Glu Met Asp Asn Ile Ala Ala Asp Phe Pro Asp Leu Ala 115 120 125

Arg Arg Val Lys Ile Gly His Ser Phe Glu Asn Arg Pro Met Tyr Val 130 135 140

Leu Lys Phe Ser Thr Gly Lys Gly Val Arg Arg Pro Ala Val Trp Leu 145 150 155 160

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Arg Ser Trp Asn Ala Ser Phe Ala Gly Lys Gly Ala Ser Asp Asn Pro 245 250 255

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